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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/721,662	11/25/2003	Taner Tuken	29766-70636	5955
75	590 07/25/2005		EXAMINER	
	THORNBURG		MCCALL, ERIC SCOTT	
11 South Meridian Street Indianapolis, IN 46204			ART UNIT	PAPER NUMBER
· muianapons, i.	14 40204		2855	

DATE MAILED: 07/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Application No.	Applicant(s)				
10/721,662	TUKEN ET AL.				
Examiner	Art Unit				
Eric S. McCall	2855				
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May 2005.					
is action is non-final.					
Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
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e drawing(s) be held in abeya ection is required if the drawin	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR	1.121(d).			
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Paper No 8) 5) Notice of	o(s)/Mail Date Informal Patent Application (PTO-1	52)			
	Examiner Eric S. McCall opears on the cover sheet was a sply within the statutory minimum of this divided and the cover sheet was a sply within the statutory minimum of this divided will apply and will expire SIX (6) MO atte, cause the application to become A sing date of this communication, even in the communication and the communication and the communication and the communication. May 2005. is action is non-final. ance except for formal manager of the communication. In awn from consideration. The communication are a section requirement. The communication are a section is non-final and the communication are a section requirement. The communication are a section and the communication are a section as a section is required if the drawing and priority under 35 U.S.C. The shave been received and the communication are a section as a section and the communication are a section as a section and the communication are a section as a section and the communication are a section as a section and the communication are a section as a section are a section as a section and the communication are a section as a section as a section as a section are a section as a secti	Examiner Eric S. McCall Depears on the cover sheet with the correspondence address LY IS SET TO EXPIRE 3 MONTH(S) FROM 1.136(a). In no event, however, may a reply be timely filled ply within the statutory minimum of thirty (30) days will be considered timely, or the properties SIX (6) MONTHS from the mailing date of this communication, even if timely filled, may reduce any May 2005. is action is non-final. ance except for formal matters, prosecution as to the mailing action of the certified copies not received. A) Interview Summary (PTO-413) Paper No(s)/Mail Date. A) Interview Summary (PTO-413) Paper No(s)/Mail Date. A) Interview Summary (PTO-413) Paper No(s)/Mail Date. A) Interview Summary (PTO-413)			

SYSTEM FOR ESTIMATING A QUANTITY OF PARASITIC LEKAGE FROM A FUEL INJECTION SYSTEM

FINAL OFFICE ACTION

In response to the Applicant's amendment received May 04, 2005.

TITLE

In response to the Applicant's amendment, the objection to the title as set forth in the previous office action (Feb. 01, 2005) has been overcome.

SPECIFICATION

The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. The Applicant's cooperation is requested in correcting any errors of which the Applicant may become aware of in the specification.

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CLAIMS

35 U.S.C. § 102

In response to the Applicant's arguments, the rejection of claims 1-4, 15-17, 22, 23, 26-35, 46-48, 55, and 58-60 under 35 U.S.C. 102(b) over Antonioli et al. (5,773,716) as set forth in the previous office action has been overcome.

Obviousness Type Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

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Claims 1, 2, 6, 8, 9, and 15 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-3 and 5-8 of U.S. Patent No. 6,823,834. Although the conflicting claims are not identical, they are not patentably distinct from each other.

With regards to claim 1, each and every limitation as set forth therein is suggested by claim 6 (which includes the subject matter of claims 1, 2, 3, and 5) of said patent. Thus, the invention of claim 1 has been set forth in the patent's claim 6.

With regards to claim 2, the claim combination of claims 6/5/3/2/1 (see col. 45, lines 16/17) of said patent claims the subject matter thereof.

With regards to claim 6, claim 6 of said patent claims the subject matter thereof.

With regards to claim 8, claim 8 of said patent claims the subject matter thereof.

With regards to claim 9, claim 7 of said patent claims the subject matter thereof.

With regards to claim 15, claim 6 claims the subject matter thereof.

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Response to Arguments

The Applicant's arguments regarding the obviousness-type double patenting rejection as

set forth above have been considered but have not been found to be persuasive.

Specifically, the Applicant has argued that their claim 1 requires an estimate of a quantity

of parasitic fuel leakage as a function of the pressure signal corresponding to when no fuel is

being supplied to or drawn from the fuel injection system, and that the first and second fuel

pressures of the patent correspond to a period which include fuel injection.

However, the Applicant then continues by stating that the first pressure is that after the

fuel pump is disabled and prior to fuel injection. Thus, as the Examiner has relied upon, this first

pressure is a pressure in the fuel injection system when no fuel is being supplied to or drawn

from the fuel injection system.

Furthermore, the Applicant's claim 1, of which the above arguments are directed, does

not require "a pressure to be measured" when no fuel is being supplied to or drawn from the fuel

injection system as the Applicant has argued.

Thus, claims 1, 2, 6, 8, 9, and 15 are not in condition for allowance.

Claims 3-5, 7, 10-14, and 16-29 are objected to as being dependent upon a rejected base

claim, but would be allowable if rewritten in independent form including all of the limitations of

the base claim and any intervening claims because the prior art fails to teach or suggest the

corresponding claimed subject matter.

Claims 30-61 have been found to be allowable over the prior art.

CONCLUSION

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

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Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Eric S. McCall whose telephone number is (571) 272-2183.

The fax phone number for the organization where this application or proceeding is

assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eric S. McCall Primary Examiner Art Unit 2855 July 21, 2005